



SBEEP

State Building Energy Efficiency Program

Division of Facilities Construction and Management



Program Objectives

- Increase energy efficiency in new and existing state owned/operated buildings.
 - **Agency & Higher Education buildings**
- Governor's Executive Order May 2006:
 - **Increase Energy Efficiency by 20% by 2015**
- Promote statewide energy efficiency initiatives.
- Utilize state appropriated monies and Public – Private Partnerships to fund energy efficiency projects.

Statewide Initiatives

- Tracked 4/10 schedule energy savings
- Employee Energy Conservation Partnership
 - “Think Energy” E-Team
- UBEES – Utah Building Energy Efficiency Strategies:
 - Energy Benchmarking
 - Energy Codes
 - Promote Energy Efficiency
- New Energy site on Employee Gateway



Public – Private Partnerships

- Energy Performance Contracting using ARRA funds \$4.1M, Utility Incentives, Third Party Financing (No Up-front costs to state) – Statewide RFP & Legislation for all political subdivisions
- Utility Bill Auditing using shared savings agreement (No Up-front costs to state)
 - MA 953 and MA955
- Utility Incentives \$4.5M since May 2006
- Participation in AIA, USGBC, AEE & other professional organizations – presentations, media requests





Existing Buildings

- \$2.5M Revolving Loan funds
- ARRA funds \$1.5M
- Utility Incentives
- Energy Benchmarking – EPA tools
- Energy Star Rating; LEED EB
- Recommissioning Platform RCX – Tuning up buildings



Identify energy savings opportunities in existing buildings

- Energy Benchmarking – Identify poor performing building
- Survey Building/Hire RCX firm
- Make low/no cost changes
- Retrofit lights, mechanical & control systems
- Measure & Verify Savings – EPA tools, RMP/Questar studies

New Construction

- State appropriations, Donors
- DFCM Managed or Delegated
- ARRA funds – \$0.4M Energy Modeling
- Utility Incentives
- High Performance Building standard is LEED Silver +, Integrative Design, Energy Modeling, Life Cycle Costing, Building Commissioning
- EUI (similar to MPG for vehicles)





Case Study: USTAR U of U

- High Performance Standard
- Approaching LEED Platinum
- Labs 21 Tools, Set EUI Target
- Model projects approx \$0.5 million annual energy savings
- Anticipating \$0.9 million Utility Incentive from RMP



Renewables

- ARRA funds \$4M
- Objectives: Awareness & Education
- Projects associated with State Facilities
- Solar PV <300kw, Wind <20 Kw, Solar Thermal <5.5tons, Small Geothermal



Questions?
